Anti-Cytokeratin 19 Rabbit pAb

Affinity Purified Rabbit Polyclonal Antibody

Catalog # P900001

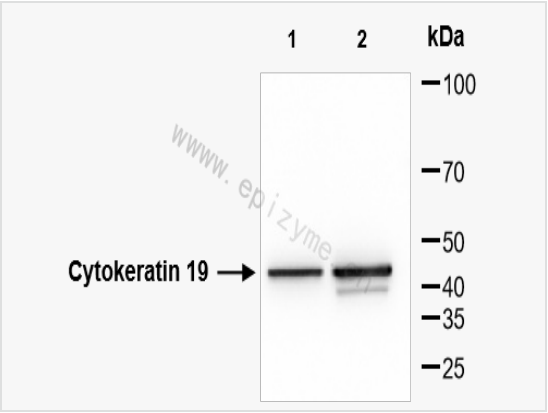
Product Information

Application	ELISA, WB, IHC-P, IF (Tissue-P)
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:200~1:1,000; IF 1:100~1:1,000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	This Cytokeratin 19 antibody is generated from rabbits immunized with a BSA conjugated synthetic peptide between 384-398 amino acids from the C-terminal region of human Cytokeratin19.
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Cytokeratin 19 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

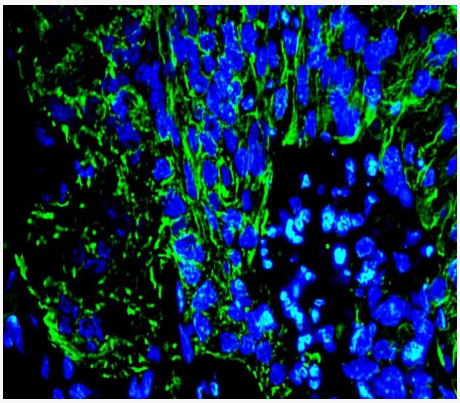
Protein Information

Synonyms	KRT19, Keratin, type I cytoskeletal 19, Cytokeratin-19, CK-19, CK19, Keratin-19, K1CS, keratin 19, K19.
Calculated MW	Calculated MW: 44 kDa; Observed MW: 44 kDa
Uniprot ID	P08727
Gene ID	3880
Antigen Region	384-398aa
Background	Involved in the organization of myofibers. Together with KRT8, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.
Tissue Location	Expressed in a defined zone of basal keratinocytes in the deep outer root sheath of hair follicles. Also observed in sweat gland and mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, ectocervical epithelium (at protein level). Expressed in epidermal basal cells, in nipple epidermis and a defined region of the hair follicle. Also seen in a subset of vascular wall cells in both the veins and artery of human umbilical cord, and in umbilical cord vascular smooth muscle. Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma in structures that contain dystrophin and spectrin.

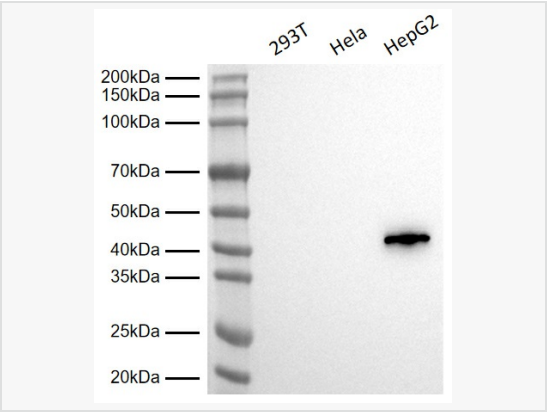
Validation Images



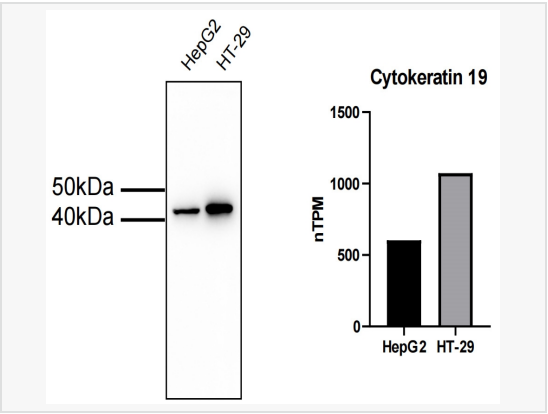
Western Blot - Anti-Cytokeratin 19 Rabbit pAb
All lanes: P900001 at 1:1,000 dilution
Lane 1: HepG2 (human hepatocellular carcinoma epithelial cell) whole cell lysates
Lane 2: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 44 kDa
Observed band size: 44 kDa
Developed using the ECL technique (Cat. No. SQ201).



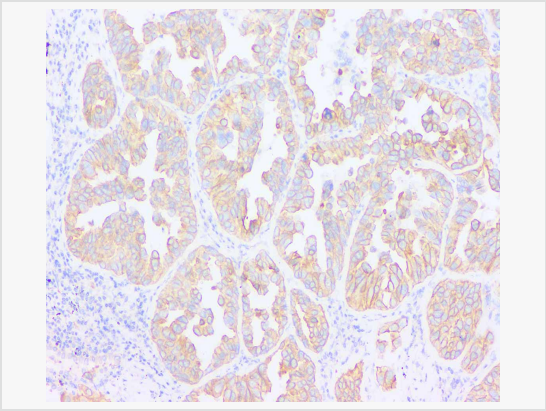
Immunofluorescent analysis of paraffin-embedded human lung cancer tissue using Anti-Cytokeratin 19 Rabbit pAb. Antigen repair using EDTA antigen repair solution and blocking with Goat serum for half 0.5 hour. Samples were incubated with primary antibody (1/1000) overnight at 4°C. A undiluted Dylight 488 Fluorescein-labeled anti-rabbit IgG was used as the secondary antibody for 0.5 hour.



All lanes: Anti-Cytokeratin 19 Rabbit pAb at 1:1,000 dilution
Lane 1: 293T cell Lysates
Lane 2: Hela cell Lysates
Lane 3: HepG2 cell Lysates
Lysates/proteins at 20 µg per lane.
Secondary Goat Anti-Rabbit IgG, (H L), Peroxidase conjugated (LF102) at 1:2,000 dilution.
Observed band size: 44 kDa
Blocking/Dilution buffer: 1×PBST.



All lanes: Anti-Cytokeratin 19 Rabbit pAb at 1:1,000 dilution
Lysates/proteins at 20 µg per lane.
Secondary Goat Anti-Rabbit IgG, (H L), Peroxidase conjugated (LF102) at 1:5,000 dilution.
Observed band size: 44 kDa
Blocking/Dilution buffer: 1×PBST.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using Anti-Cytokeratin 19 Rabbit pAb. Antigen repair using EDTA antigen repair solution and blocking with 5% BSA for half 0.5 hour. Samples were incubated with primary antibody (1/1000) overnight at 4°C. A undiluted HRP-labeled anti-rabbit IgG was used as the secondary antibody for 0.5 hour.